



STIC Search Report

EIC 2100

STIC Database Tracking Number: 149765

TO: Kiet Ngo
Location: Rnd 5B65
Art Unit : 2195
Monday, April 04, 2005

Case Serial Number: 10014337

From: David Holloway
Location: EIC 2100
RND 4B19
Phone: 2-3528

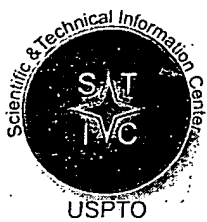
david.holloway@uspto.gov

Search Notes

Dear Examiner Ngo,

Attached please find your search results for above-referenced case.
Please contact me if you have any questions or would like a re-focused search.

David



1-19765

STIC EIC 2100 Search Request Form

Today's Date:

What date would you like to use to limit the search?

Priority Date: 12/08/2000

Other:

Name KIT TUGN NGU
AU 2195 Examiner # 80897
Room # 5B65 Phone 2-6451
Serial # 10014337

Format for Search Results (Circle One):

☒ PAPER ☐ DISK ☐ EMAIL

Where have you searched so far?

☒ USP ☐ DWPI ☐ EPO ☒ JPO ☐ ACM ☐ IBM ☐ TDB
☒ IEEE ☐ INSPEC ☐ SPI ☐ Other _____Is this a "Fast & Focused" Search Request? (Circle One) ☒ YES ☐ NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Class 709

Automatic Workload Configuration

Yiping Ding

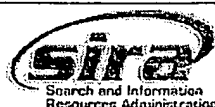
Kenneth Newman

Filing Date: 12/08/2000 - Earliest Priority

Invention: Recording a log of transactions/processes/interactions where the log has a record of time stamps/periods of time for the transactions and ~~resources~~ computer/network resources for that same period then calculating a similarity factor / ~~coefficient~~ correlation coefficient to determine/verify what transactions used what system/network ~~log~~ computer resources
Bass words: "workload characterization, correlation, workload grouping
resource log, process log
transaction log,

STIC Searcher _____ Phone _____

Date picked up _____ Date Completed _____



Set	Items	Description
S1	4231	(TRANSACTION? OR ACTIVIT?) (2N) (LOG OR LOGS OR RECORD OR RECORDS OR HISTORY OR HISTORIES OR MONITOR?)
S2	16888	(USAGE? OR RESOURCE? OR USE) (2N) (LOG OR LOGS OR RECORD OR RECORDS OR HISTORY OR HISTORIES OR MONITOR?)
S3	165	S1 AND S2
S4	948423	WORKLOAD? OR (MULIPLE? OR PLURAL? OR SEVERAL OR ALL OR MANY OR DIFFERENT OR VARIOUS) (2N) (RESOURCE?) OR BANDWIDTH? OR MEMORY
S5	1365343	MODEL? OR SIMULAT? OR HEURISTIC? OR ALGORITHM? OR FORMULA? OR COEFFICIENT?
S6	3946500	LINK OR MAP OR MAPPING OR CONNECT? OR CORRELAT? OR LINKS
S7	2021	(CAPACITY OR ENTERPRISE OR PERFORMANCE?) (2N) (PLANNING OR MANAGEMENT OR PLAN OR PLANS)
S8	401786	TRANSACTION? OR ACTIVIT?
S9	32	S3 AND S4
S10	0	S3 AND S5 AND S6 AND S7
S11	165	S3 AND S8
S12	46	S11 AND (S5 OR S6 OR S7)
S13	70	S9 OR S12
S14	26	S13 AND IC=G06F
S15	26	IDPAT (sorted in duplicate/non-duplicate order)
S16	26	IDPAT (primary/non-duplicate records only)
S17	343161	TIMESTAMP? OR TIMED OR CALENDAR? OR SCHEDUL? OR TIMING OR DURATION OR EXPIRATION
S18	13	S17 AND S11
S19	8	S18 NOT S13
S20	8	IDPAT (sorted in duplicate/non-duplicate order)
S21	8	IDPAT (primary/non-duplicate records only)
S22	113235	MC=(T01-J05A2B OR T01-N01A2E OR T01-S03)
S23	736	S22 AND (S1 OR S2)
S24	11	S22 AND S1 AND S2
S25	7	S24 NOT (S18 OR S13)
S26	7	IDPAT (sorted in duplicate/non-duplicate order)
S27	7	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Nov 1976-2004/Nov(Updated 050309)
(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200521
(c) 2005 Thomson Derwent

16/5/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014861719 **Image available**
WPI Acc No: 2002-682425/200273
XRPX Acc No: N02-538815

Automatic workload characterization method for e-commerce, involves determining transactions using specific resources based on comparison of timestamps in transaction log with timestamps in resource log

Patent Assignee: DING Y (DING-I); NEWMAN K (NEWM-I)

Inventor: DING Y; NEWMAN K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020116441	A1	20020822	US 2000254340	A	20001208	200273 B
			US 200114337	A	20011210	

Priority Applications (No Type Date): US 2000254340 P 20001208; US
200114337 A 20011210

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020116441	A1		23	G06F-009/00	Provisional application US 2000254340

Abstract (Basic): US 20020116441 A1

NOVELTY - A **log of transactions** comprising timestamp and a **log of resource usage** comprising **several** timestamps and system performance metrics which reflect resource consumption, are generated in a computer. The timestamps in **transaction log** are compared with the timestamp in **resource log**, based on which the transactions using specific resources are determined.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Carrier medium storing automatic **workload** characterization program; and

(2) Automatic **workload** characterization system.

USE - For characterizing automatic **workload** for e-commerce, e-business, etc.

ADVANTAGE - Enables determining with much greater precision, that which resources are used by which **workloads**. Allows **workloads** to be constructed automatically, without the need of significant assistance or intervention by a user assistance.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the automatic **workload** characterization method.

pp; 23 DwgNo 18/18

Title Terms: AUTOMATIC; CHARACTERISTIC; METHOD; DETERMINE; TRANSACTION;
SPECIFIC; RESOURCE; BASED; COMPARE; TRANSACTION; LOG; RESOURCE; LOG
Derwent Class: T01

International Patent Class (Main): G06F-009/00

File Segment: EPI

16/5/16 (Item 16 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012099670 **Image available**
WPI Acc No: 1998-516581/199844
XRPX Acc No: N98-403917

Transaction management system for e.g. network computing environment -
has preliminary treatment advance unit that starts updating decision
preliminary treatment when preparation indication is transmitted from
another resource manager

Patent Assignee: TOSHIBA KK (TOKE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10228405	A	19980825	JP 97241323	A	19970905	199844 B

Priority Applications (No Type Date): JP 96328620 A 19961209

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10228405	A	14	G06F-012/00	

Abstract (Basic): JP 10228405 A

The system has a **transaction monitor** (11) that transmits an updating decision preparation indication to resource managers (21a), when an application process requires a **transaction** commitment. A preparation indication notifying unit enables each resource manager to transmit a preparation indication notification to **all other resource** managers, when the updating decision preparation indication is transmitted from the **transaction monitor**.

A preliminary treatment advance unit starts an updating decision preliminary treatment when the preparation indication notification is transmitted from another resource manager and the updating decision preliminary treatment is not yet started. Preferably, the resource managers are **connected** by a second network. The data transfer rate of the second network is faster than the first network which **connects** the **transaction monitor** to the **resource** managers.

ADVANTAGE - Shortens **transaction** decision time since frequency of communication with **transaction monitor** and **resource** manager is reduced. Shortens **transaction** nullification time since recovery process is started in advance.

Dwg.2/8

Title Terms: **TRANSACTION** ; MANAGEMENT; SYSTEM; NETWORK; COMPUTATION;
ENVIRONMENT; PRELIMINARY; TREAT; ADVANCE; UNIT; START; UPDATE; DECIDE;
PRELIMINARY; TREAT; PREPARATION; INDICATE; TRANSMIT; RESOURCE; MANAGE

Derwent Class: T01

International Patent Class (Main): **G06F-012/00**

File Segment: EPI

16/5/18 (Item 18 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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009958036 **Image available**
WPI Acc No: 1994-225749/199428
XRPX Acc No: N94-178027

Heavily loaded resources evaluation system for operational management of computer systems - has selection program which compares resource utilisation ratio information in system utilisation record entered in utilisation ratio threshold value file to extract record indicative of status

Patent Assignee: NEC CORP (NIDE)
Inventor: NISHIUCHI T; SHIRAMIZU A
Number of Countries: 003 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 9351904	A	19940609	AU 9351904	A	19931124	199428 B
CA 2110092	A	19940528	CA 2110092	A	19931126	199431
US 5475844	A	19951212	US 93155815	A	19931123	199604
AU 665130	B	19951214	AU 9351904	A	19931124	199606
CA 2110092	C	19980818	CA 2110092	A	19931126	199844

Priority Applications (No Type Date): JP 92341236 A 19921127

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 9351904	A	51		G06F-011/30	
US 5475844	A	18		G06F-017/00	
AU 665130	B			G06F-011/30	Previous Publ. patent AU 9351904
CA 2110092	A			G06F-007/00	
CA 2110092	C			G06F-007/00	

Abstract (Basic): AU 9351904 A

The system has system management facility file (SMFF) which contains status of utilisation of each of the resources constituting a computer system, recorded at regular intervals as a system **resource utilisation record**. The execution hysteresis of each of the jobs executed on the computer system is recorded at regular intervals as job **activity record**. A system configuration file holds information on **connective relationships** between an external **memory unit** and an external **memory** (control unit to control the external **memory unit** and information on names of files stored in it as system configuration data.

The system management facility record input program (SMFRIP) inputs each record in SMFF and resource utilisation ratio threshold value file (RURTVF) stores the alarm and limit values within performance guarantee, for utilisation ratio (UR) of each of the resources constituting the computer system as threshold values of the resource utilisation ratio (RUR). Further, a heavily loaded resource selection program compares information on RURs in the system **resource utilisation record** entered by SMFRIP with limit value of utilisation ratio threshold values (URTV) in this RURTVF, and extracting the resource name, recorded time and RUR in the system RUR indicating a heavily loaded status.

USE/ADVANTAGE - To determine loading status of resources constituting a computer system, identifying name of job or resource and presenting to user a result of performance evaluation readily and reliably, even if not versed in performance evaluation procedures.

Dwg.1/10

Title Terms: HEAVY; LOAD; RESOURCE; EVALUATE; SYSTEM; OPERATE; MANAGEMENT; COMPUTER; SYSTEM; SELECT; PROGRAM; COMPARE; RESOURCE; UTILISE; RATIO; INFORMATION; SYSTEM; UTILISE; RECORD; ENTER; UTILISE; RATIO; THRESHOLD; VALUE; FILE; EXTRACT; RECORD; INDICATE; STATUS

Derwent Class: T01

International Patent Class (Main): G06F-007/00 ; G06F-011/30

G06F-017/00

International Patent Class (Additional): **G06F-011/34**

File Segment: EPI

16/5/21 (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008750522 **Image available**
WPI Acc No: 1991-254538/199135
XRPX Acc No: N91-194136

Document history log exception reports generation in data processor -
recording occurrence of each event relating to selected resource object
within history log

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: JANIS F L; WANG D S; WILLIAMS M L
Number of Countries: 004 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 443971	A	19910828	EP 91480003	A	19910108	199135 B
US 5128885	A	19920707	US 90484704	A	19900223	199230
EP 443971	A3	19920805	EP 91480003	A	19910108	199336

Priority Applications (No Type Date): US 90484704 A 19900223

Cited Patents: NoSR.Pub; 3.Jnl.Ref; US 4757533

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 443971	A			

Designated States (Regional): DE FR GB

US 5128885 A 8 G06F-011/00

Abstract (Basic): EP 443971 A

The method efficiently maintains a record of activities relating to a selected resource object managed by a resource manager and accessible by a users within the data processing system. A history log having a finite storage capacity (74) is created. The history log is associated with a selected resource object. The method records within the history log those activities relating to the said selected resource object (76,78).

In indication (82) of the nonrecordability of an activity relating to the selected resource object is generated in the event the recordation of the said activity shall exceed the said storage capacity.

ADVANTAGE - Maintains multiple resource objects. (9pp Dwg.No.1/3

Title Terms: DOCUMENT; HISTORY; LOG; REPORT; GENERATE; DATA; PROCESSOR;
RECORD; OCCUR; EVENT; RELATED; SELECT; RESOURCE; OBJECT; HISTORY; LOG

Derwent Class: T01

International Patent Class (Additional): G06F-011/34

File Segment: EPI

21/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014979102 **Image available**

WPI Acc No: 2003-039616/200303

Related WPI Acc No: 1998-041501; 1999-571512; 2001-366847; 2001-512830;
2002-617110; 2003-898891; 2003-899871; 2005-030106

XRPX Acc No: N03-030978

User- activity monitoring system for telecommuting applications,
stores actual time when user is engaged in specific task, and stops
storing on expiration of idle time limit

Patent Assignee: LEHMAN M G (LEHM-I); SKINNER G R (SKIN-I); RES INVESTMENT
NETWORK INC (REIN-N)

Inventor: LEHMAN M G; SKINNER G R

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020128803	A1	20020912	US 95374908	A	19950119	200303 B
			US 95423029	A	19950417	
			US 96732675	A	19961015	
			US 99374050	A	19990813	
			US 2000740412	A	20001219	
			US 200263768	A	20020510	
US 6622116	B2	20030916	US 95423029	A	19950417	200362
			US 96732675	A	19961015	
			US 97987908	A	19971209	
			US 99374050	A	19990813	
			US 2000740412	A	20001219	
			US 200263768	A	20020510	

Priority Applications (No Type Date): US 2000740412 A 20001219; US 95374908
A 19950119; US 95423029 A 19950417; US 96732675 A 19961015; US 99374050 A
19990813; US 200263768 A 20020510; US 97987908 A 19971209

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020128803	A1	28	G06F-011/00	CIP of application US 95374908 CIP of application US 95423029 CIP of application US 96732675 CIP of application US 99374050 Cont of application US 2000740412 CIP of patent US 5696702 CIP of patent US 6185514 Cont of patent US 6397167
US 6622116	B2		G06F-003/05	CIP of application US 95423029 CIP of application US 96732675 CIP of application US 97987908 CIP of application US 99374050 Cont of application US 2000740412 CIP of patent US 5696702 CIP of patent US 5963914 CIP of patent US 6185514 Cont of patent US 6397167

Abstract (Basic): US 20020128803 A1

NOVELTY - A data collector monitors certain portions of the user's
activity . A data analyzer determines which portions of the user's
activity constitutes a continuous predefined **activity** . A timer
stores an actual time when the user is engaged in a specified task, and
stops storing upon **expiration** of an idle time limit.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
following:

- (1) Computer **use monitoring** method;
- (2) User- **activity monitoring** method; and
- (3) Method for automatically collecting and analyzing information

about time and **activity** performed on computer.

USE - For **monitoring** user's **activity** such as file, keystroke, mouse **activity** in remote telecommuting employment application, determining **activity** costs, estimating time and amount billable for future projects/work, measuring cost/benefit of new software/hardware, project management linking, nano-business costing, resource management tool, manufacturing systems, remote education, screening new hires, disk duplicating machines, video conferencing consultation with automatic billing calculations, publication services, etc.

ADVANTAGE - Enables automatic measurement of time and work done by operator and provides documentation tool beneficial to both management and workers. Avoids collection of voluminous and meaningless **activities**. Provides automatic and accurate documentation and unaltered proof of work done on a computer. Also the amount of time and work performed out of sight can be accurately documented and encrypted to prevent manipulation of recorded data. Allows managers to feel more comfortable with having their computer-oriented employees telecommute, resulting in economic benefits to the employer, employee and ecological benefits from reduced vehicle usage and car emissions due to commuting.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the data collection and analysis system.

pp; 28 DwgNo 1/18

Title Terms: USER; ACTIVE; MONITOR; SYSTEM; APPLY; STORAGE; ACTUAL; TIME;

USER; ENGAGE; SPECIFIC; TASK; STOP; STORAGE; EXPIRE; IDLE; TIME; LIMIT

Derwent Class: S04; T01; T05; W01; W05

International Patent Class (Main): G06F-003/05; G06F-011/00

International Patent Class (Additional): G06F-015/00

File Segment: EPI

21/5/5 (Item 5 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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011048016 **Image available**
WPI Acc No: 1997-025940/199703
XRPX Acc No: N97-021750

**Computer based transaction processing system in enterprise such as bank
- has co-ordinatable transaction monitor that optimises usage limit
of computer system resources assigned to serve for transaction demand**

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)

Inventor: COBB E E; HOLDSWORTH S A J; HOUSTON I S C; SMITH S A

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8286962	A	19961101	JP 95309177	A	19951128	199703 B
US 6070197	A	20000530	US 94357837	A	19941216	200033
			US 97909575	A	19970812	

Priority Applications (No Type Date): US 94357837 A 19941216; US 97909575 A 19970812

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8286962	A	11	G06F-012/00	
US 6070197	A		G06F-015/163	Cont of application US 94357837

Abstract (Basic): JP 8286962 A

The system consists of a unit that accepts a **transaction demand** and transmits the details to a **transaction monitor** mechanism through a transmitting unit. The **transaction monitoring** mechanism carries out **scheduling** of the details included in the received command.

Then, a co-ordinatable **transaction monitor** optimizes **usage** limit of computer system resources assigned for the particular **transaction demand**.

ADVANTAGE - Raises efficiency of processing.

Dwg. 9/9

Title Terms: COMPUTER; BASED; **TRANSACTION** ; PROCESS; SYSTEM; BANK; CO;
TRANSACTION ; MONITOR; OPTIMUM; LIMIT; COMPUTER; SYSTEM; RESOURCE; ASSIGN
; SERVE; **TRANSACTION** ; DEMAND

Index Terms/Additional Words: **ATMUS 60701 97|US 94357 837_US 9790**

Derwent Class: T01

International Patent Class (Main): G06F-012/00; G06F-015/163

International Patent Class (Additional): G06F-009/44; G06F-009/46;

G06F-015/16

File Segment: EPI

21/5/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008230725 **Image available**
WPI Acc No: 1990-117726/199016
Related WPI Acc No: 1994-343445
XRPX Acc No: N90-091237

Computer system power consumption red using system - monitors accesses to peripheral devices via address bus and providing adaptable inactivity timer

Patent Assignee: COMPAQ COMPUTER CORP (COPQ)
Inventor: BOONE C; CARTER R R; CEPULIS D J; GARNER P M; BOONE C A; CARTER R ; CEPULIS D; GARNER P

Number of Countries: 015 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 364222	A	19900418	EP 89310369	A	19891011	199016 B
US 4980836	A	19901225	US 88257954	A	19881014	199103
CA 1332005	C	19940913	CA 612893	A	19890925	199437
EP 364222	B1	19950301	EP 89310369	A	19891011	199513
DE 68921405	E	19950406	DE 621405	A	19891011	199519
			EP 89310369	A	19891011	
ES 2068900	T3	19950501	EP 89310369	A	19891011	199524
US 36189	E	19990413	US 88257954	A	19881014	199922
			US 92993093	A	19921218	
KR 9706390	B1	19970428	KR 8914811	A	19891014	199940
EP 364222	B2	20010613	EP 89310369	A	19891011	200134
			EP 94110155	A	19891011	
JP 3260355	B2	20020225	JP 89267935	A	19891013	200216

Priority Applications (No Type Date): US 88257954 A 19881014; US 92993093 A 19921218

Cited Patents: A3...9047; EP 134966; EP 172344; NoSR.Pub; US 4203153; US 4293927

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing	Notes
EP 364222	A						
							Designated States (Regional): BE CH DE ES FR GB GR IT LI NL SE
CA 1332005	C				G06F-001/32		
EP 364222	B1 E	29			G06F-001/32		
							Designated States (Regional): BE CH DE ES FR GB GR IT LI NL SE
DE 68921405	E				G06F-001/32		Based on patent EP 364222
ES 2068900	T3				G06F-001/32		Based on patent EP 364222
US 36189	E				G06F-001/32		Reissue of patent US 4980836
KR 9706390	B1				G06F-001/00		
EP 364222	B2 E				G06F-001/32		Related to application EP 94110155 Related to patent EP 623869
							Designated States (Regional): BE CH DE ES FR GB GR IT LI NL SE
JP 3260355	B2	26			G06F-001/32		Previous Publ. patent JP 2176921

Abstract (Basic): EP 364222 A

A battery powered computer system (C) monitors the address bus (20) to determine when selected peripheral devices have not been accessed for a preset amount of time. After this preset time the system powers itself off and stops the system clock thus placing it in a standby mode. The system can be reawakened by pressing a standby switch.

The preset time can be altered by the user and also depends upon other factors. The timer is disabled if an AC adapter is providing the system power, and the preset time is reduced in steps relating to the amount of energy remaining in the battery. If the standby switch is pressed during system operation, then the preset time is reduced to a very small time allowing rapid, but controlled shut down of the system.

USE/ADVANTAGE - Provides uniform and controllable means of .
automatically providing shut down on inactive system while providing
protection against data .

Dwg.1/7

Title Terms: COMPUTER; SYSTEM; POWER; CONSUME; RED; SYSTEM; MONITOR; ACCESS
; PERIPHERAL; DEVICE; ADDRESS; BUS; ADAPT; INACTIVE; TIME

Derwent Class: T01; U24

International Patent Class (Main): G06F-001/00; G06F-001/32

International Patent Class (Additional): G01R-019/00; G06F-001/26;
G06F-001/28; H02J-003/14

File Segment: EPI

Set	Items	Description
S1	60086	(TRANSACTION? OR ACTIVIT?) (2N) (LOG OR LOGS OR RECORD OR RECORDS OR HISTORY OR HISTORIES OR MONITOR?)
S2	63428	(USAGE? OR RESOURCE? OR USE) (2N) (LOG OR LOGS OR RECORD OR RECORDS OR HISTORY OR HISTORIES OR MONITOR?)
S3	2146	S1 AND S2
S4	1545956	WORKLOAD? OR (MULTIPL? OR PLURAL? OR SEVERAL OR ALL OR MANY OR DIFFERENT OR VARIOUS) (2N) (RESOURCE?) OR BANDWIDTH? OR MEMORY
S5	14484964	MODEL? OR SIMULAT? OR HEURISTIC? OR ALGORITHM? OR FORMULA? OR COEFFICIENT?
S6	6523875	LINK OR MAP OR MAPPING OR CONNECT? OR CORRELAT? OR LINKS
S7	217498	(CAPACITY OR ENTERPRISE OR PERFORMANCE?) (2N) (PLANNING OR MANAGEMENT OR PLAN OR PLANS)
S8	5820424	TRANSACTION? OR ACTIVIT?
S9	586	S3 AND S4
S10	125	S3 AND S5 AND S6 AND S7
S11	77	S9 AND S10
S12	67	RD (unique items)
S13	55	S12 NOT PY>2000
File	8: Ei	Compendex(R) 1970-2005/Mar W4 (c) 2005 Elsevier Eng. Info. Inc.
File	35:	Dissertation Abs Online 1861-2005/Mar (c) 2005 ProQuest Info&Learning
File	65:	Inside Conferences 1993-2005/Apr W1 (c) 2005 BLDSC all rts. reserv.
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File	6:	NTIS 1964-2005/Mar W4 (c) 2005 NTIS, Intl Cpyrght All Rights Res
File	144:	Pascal 1973-2005/Mar W4 (c) 2005 INIST/CNRS
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File	95:	TEME-Technology & Management 1989-2005/Feb W3 (c) 2005 FIZ TECHNIK
File	148:	Gale Group Trade & Industry DB 1976-2005/Apr 04 (c) 2005 The Gale Group
File	9:	Business & Industry(R) Jul/1994-2005/Mar 31 (c) 2005 The Gale Group
File	275:	Gale Group Computer DB(TM) 1983-2005/Apr 04 (c) 2005 The Gale Group

13/5/4 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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12059642 SUPPLIER NUMBER: 61533696 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New tool for business process re-engineering.

Nyamekye, Kofi

IIE Solutions, 32, 3, 36

March, 2000

ISSN: 1085-1259 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 3438 LINE COUNT: 00289

DESCRIPTORS: Reengineering (Management)--Research; Management research--
Research

GEOGRAPHIC CODES/NAMES: 1USA United States

PRODUCT/INDUSTRY NAMES: 8526000 (Management & Information Science)

NAICS CODES: 54172 Research and Development in the Social Sciences and
Humanities

FILE SEGMENT: AI File 88

13/5/6 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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11474534 SUPPLIER NUMBER: 57386924 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Capturing and using building-generated data.(using data from control
systems and dataloggers for evaluating performance of heating,
ventilating and air-conditioning systems)

Ivanovich, Michael; Haves, Phillip
Heating, Piping, Air Conditioning, 71, 10, 68(6)
Oct, 1999

ISSN: 0017-940X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 4004 LINE COUNT: 00343

INDUSTRY CODES/NAMES: BUSN Any type of business; CNST Construction
and Materials

DESCRIPTORS: Air conditioning--Evaluation; Refrigeration equipment--
Evaluation

PRODUCT/INDUSTRY NAMES: 3585000 (Refrigeration & Air Conditioning Eqp)

SIC CODES: 3585 Refrigeration and heating equipment

NAICS CODES: 333415 Air-Conditioning and Warm Air Heating Equipment and
Commercial and Industrial Refrigeration Equipment Manufacturing

FILE SEGMENT: TI File 148

13/5,K/25 (Item 1 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
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02448024 SUPPLIER NUMBER: 65305996 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Instant Gratification.(Technology Information)
DAVYDOV, MARK M.
Intelligent Enterprise, 3, 14, 10
Sept 8, 2000
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3245 LINE COUNT: 00278

ABSTRACT: A new realtime data mining design that takes advantage of e-marketplaces is discussed. E-marketplace is the concept of creating dynamic extended supply chain partnerships of trading networks. Electronic trading communities take advantage of the interactive features, global reach and interconnectivity of the Internet to enable a vast array of online trade services. With the rise of e-marketplaces comes the need for tactical decision support based partly on transaction data. The need for a new data mining design is brought about by the demand for faster turnaround from data collection to data mining on transactions within and among enterprises.

DESCRIPTORS: Data warehousing/data mining; Technology development;
Business-to-business exchange
PRODUCT/INDUSTRY NAMES: 3661257 (LAN/WAN Adapters); 7372422 (DBMS Utilities); 7372425 (Data Warehousing Software)
SIC CODES: 3661 Telephone and telegraph apparatus; 7372 Prepackaged software
NAICS CODES: 33421 Telephone Apparatus Manufacturing; 51121 Software Publishers
FILE SEGMENT: CD File 275

... packaged and custom-developed applications used by partners for automating internal business processes such as **enterprise resource planning** (ERP) systems; standalone human resources and accounting applications, custom-developed legacy systems, third-party services...

...techniques such as statistics and ad hoc reporting, online analytic processing (OI.AP), and multidimensional **modeling**. The entire process typically consumes a great deal of time and other resources. Because of this **resource** drain, **many** organizations warehouse only 12 to 18 months worth of historical operational data, and in some...mining tools and the numerous mining techniques they use (such as sampling, profiling, clustering, predictive **modeling**, decision trees, and neural networks). Data thus prepared for mining is loaded into a data...

...important to enable effective governing of the network of organizations involved through upstream and downstream **links** in production processes for products or services. Unfortunately, because of the extremely vast amounts of...

...enabling e-marketplaces because it provides realtime response to events occurring over large networks by **monitoring transaction** -level data. In turn, that provides the ability to quickly design and modify cross-**enterprise management** procedures. This concept is especially powerful when tied to ERP systems because it lets companies...organizes and controls the mining process

- * A compute server that handles processing of data mining **algorithms** (such as mining calculations and evaluations)
- * A data handling server (DHS) that handles the data...

...stored and processed (that is, mined) using a high-performance database manager, preferably with powerful **memory** -based data handling features such as TimesTen Corp.'s TimesTen database server. Results for each...

...referred to as a "pattern" warehouse. Analytic tools for reporting and interpretation of the results **connect** end users to the pattern warehouse. Certain commercial products exhibit similar architectural characteristics; for example...

...component of this architectural option is a rule-based system that, in a sense, "mines" **transaction** streams by **monitoring** large volumes of ERP transactions in real time, retrieving only those transactions that fit a...

...that include traditional financial measures as well as metrics from the Supply Chain Operations Reference **Model** (SCOR) -- in particular, inventory turns, order fill rates, delivery performance, and many other performance indicators...

...this option is preferable for companies that require extensive mining capabilities such as building multiple **models** in parallel for comparative analysis. However, this option's effectiveness depends on how well you...

...important information from transaction streams, make the most of every transaction by applying data mining **algorithms**, and provide timely, focused answers to end users who really need them. ERP vendors and...

...technology for BI and ERP and develop new strategies that will allow them to efficiently **monitor** their **resources** across the extended enterprise -- in real time or near-

13/5/32 (Item 8 from file: 275)
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01978743 SUPPLIER NUMBER: 18643196 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Seek and fine-tune: Getting the most from client-server transactions.

(Technology Tutorial) (Tutorial)

Giacone, Glynn B.

Data Based Advisor, v14, n9, p76(7)

Sep, 1996

DOCUMENT TYPE: Tutorial ISSN: 0740-5200 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 4405 LINE COUNT: 00368

ABSTRACT: Applications that access gigabyte- and terabyte-sized databases require careful **capacity planning** and **performance** monitoring. Although **performance management** is meant to highlight design problems, stress testing seldom is able to mimic actual production conditions. It is possible to calculate a metric that approximates user responsiveness. Spotting unacceptable performance can be done by figuring an average transaction response time during specific time intervals. When an unacceptable performance level is found the bottleneck is uncovered by breaking down the response time into smaller service and wait time components. Methods for fine-tuning Informix Online Dynamic Server 7.1, Oracle7, and Sybase SQL Server 11 are provided, largely through instrumentation at the RDBMS and operating system level.

SPECIAL FEATURES: illustration; chart; graph

COMPANY NAMES: Informix Corp.--Products; Oracle Corp.--Products; Sybase Inc.--Products

DESCRIPTORS: Programming Tutorial; DBMS

SIC CODES: 7372 Prepackaged software

TICKER SYMBOLS: IFMX; ORCL; SYBS

TRADE NAMES: Informix-OnLine Dynamic Server 7.0 (DBMS)--Usage; Oracle7 (DBMS)--Usage; Sybase SQL Server System 11 (DBMS)--Usage

FILE SEGMENT: CD File 275

13/5/41 (Item 17 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
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01623087 SUPPLIER NUMBER: 13901679 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Monitors provide early warning systems. (performance monitors for
client/server applications) (Client/Server Computing)**
Smalley, Eric
Software Magazine, v13, n8, p31(4)
May 15, 1993
ISSN: 0897-8085 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2698 LINE COUNT: 00225

ABSTRACT: Current performance monitoring tools for local area networks (LAN) are useful for identifying problems, but they lack the ability to **correlate** and analyze data for such tasks as **capacity planning**. MIS managers are hesitant to migrate mission-critical applications to client/server environments because of the lack of tools for monitoring their performance. Network performance monitoring tools are being enhanced, but individual tools lack the ability to diagnose problems in large, multivendor networks, which causes many organizations to use a combination of tools. Use of **monitoring** tools by Columbia Gas System Service Corp and Citgo Petroleum Corp is described. The four categories into which the tools can be placed are network analyzers, protocol analyzers, network management stations, and network operating system add-ons. Among the packages described are Legent Corp's LANSpy, Network General's Distributed Sniffer System, Concord Communication's Trakker, Metrix's NetMetrix, and ProTools' Network Control Series.

SPECIAL FEATURES: illustration; photograph; graph
DESCRIPTORS: Network Management Software; Client/Server Architecture;
User Need; Applications; Performance Measurement; Network Monitors;
Industry Analysis; LAN; Trends
SIC CODES: 7372 Prepackaged software
FILE SEGMENT: CD File 275

13/5/53 (Item 29 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
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01437176 SUPPLIER NUMBER: 10916436 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The performance road test. (capacity planning with workstations and X terminals) (includes related article on cost of capacity planning)
(Cover Story)

Coulson, Christopher J.

DEC Professional, v10, n6, p50(6)

June, 1991

DOCUMENT TYPE: Cover Story ISSN: 0744-9216 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 4130 LINE COUNT: 00327

ABSTRACT: User demand for X terminals and workstations is increasing, which means that managers must know how these new resources will affect such system elements as the network, CPUs and I/O throughput. They must also determine where bottlenecks will appear and how to resolve them. This requires site-related **capacity planning**. The first step in **capacity planning** is to have an idea of what results to expect. Digital Equipment Corp conducted a series of tests to see how X terminals and workstations affect the total system. These tests show that all four parts of the system - application, host, communications and display - can affect performance. One result indicates the significance of applications and how small changes in applications can have a big impact on resource use. Another result shows that moving an application load to a remote system can improve performance. Estimating performance and configuration needs requires knowing the impact of the real **workload**. The number of disks needs to be maximized and the I/O load balanced over all spindles to achieve best performance in a diskless environment. **Monitoring activities** of users, collecting related data and using this information with **capacity planning** tools will result in accurately anticipating computing needs.

CAPTIONS: **Capacity planning** tools. (table); Comparing performance. (chart); Network configuration for disk versus diskless tests. (chart)

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DIALOG(R) File 275:Gale Group Computer DB(TM)
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01380376 SUPPLIER NUMBER: 09597535 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Transaction **processing** monitors .
Bernstein, Philip A.
Communications of the ACM, v33, n11, p75(12)
Nov, 1990
ISSN: 0001-0782 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 8917 LINE COUNT: 00705

ABSTRACT: Modern transaction processing (TP) systems consist of integrated basic software, including a high- **performance** data base **management** system, communication system and TP monitor. The TP monitor should provide an interprocess communication concept that hides networking details, should manage processes and should allow system managers to easily and efficiently control large networks of terminals and processors. The TP monitor ties independent components together and provides a single, integrated interface to those components. The TP monitor's main function is to coordinate transaction requests between terminals and application programs that process the requests. The TP monitor accomplishes this by imposing a certain structure on the software components of a TP system and offering support functions for each component's activities. Other aspects of TP monitors are discussed in detail.

CAPTIONS: A **model** for TP monitors. (diagram); A forms manager's compilation process. (diagram); A program implementing MM, RC and AS functions for a terminal. (program)

SPECIAL FEATURES: illustration; diagram; program

DESCRIPTORS: Software Design; Database Design; DBMS; Online Transaction Processing

FILE SEGMENT: AI File 88

Key: IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, II CNF = IEE Conference, IEEE STD = IEEE Standard

1. **Online and incremental mining of separately-grouped Web access logs**
Yew-Kwong Woon; Wee-Keong Ng; Ee-Peng Lim;
Web Information Systems Engineering, 2002. WISE 2002. Proceedings of the Third International Conference on 12-14 Dec. 2002 Page(s):53 - 62
IEEE CNF
2. **Monitoring e-business Web services usage through a log based architecture**
da Cruz, S.M.S.; Campos, M.L.M.; Pires, P.F.; Campos, L.M.;
Web Services, 2004. Proceedings. IEEE International Conference on 6-9 July 2004 Page(s):61 - 69
IEEE CNF
3. **Remote access to medical records via the Internet: feasibility, security and multilingual considerations**
Lees, P.J.; Chronaki, C.E.; Simantirakis, E.N.; Kostomanolakis, S.G.; Orphanoudakis, S.C.; Vardas, P.E.;
Computers in Cardiology 1999
26-29 Sept. 1999 Page(s):89 - 92
IEEE CNF
4. **Evaluating Web software reliability based on workload and failure data extracted from server logs**
Tian, J.; Rudraraju, S.; Zhao Li;
Software Engineering, IEEE Transactions on
Volume 30, Issue 11, Nov. 2004 Page(s):754 - 769
IEEE JNL
5. **Characterizing Web usage regularities with information foraging agents**
Jiming Liu; Shiwu Zhang; Jie Yang;
Knowledge and Data Engineering, IEEE Transactions on
Volume 16, Issue 5, May 2004 Page(s):566 - 584
IEEE JNL
6. **An automated learning system for Java programming**
Daly, C.; Horgan, J.M.;
Education, IEEE Transactions on
Volume 47, Issue 1, Feb. 2004 Page(s):10 - 17
IEEE JNL
7. **Measuring and modeling usage and reliability for statistical Web testing**
Kallepalli, C.; Tian, J.;
Software Engineering, IEEE Transactions on
Volume 27, Issue 11, Nov. 2001 Page(s):1023 - 1036
IEEE JNL
8. **Understanding relationships among teleworkers' e-mail usage, e-mail richness perceptions, and e-mail productivity perceptions under a software engineering environment**
Higa, K.; Sheng, O.R.L.; Bongsik Shin; Figueredo, A.J.;
Engineering Management, IEEE Transactions on
Volume 47, Issue 2, May 2000 Page(s):163 - 173
IEEE JNL
9. **Detection of anomalous computer session activity**
Vaccaro, H.S.; Liepins, G.E.;
Security and Privacy, 1989. Proceedings., 1989 IEEE Symposium on 1-3 May 1989 Page(s):280 - 289
IEEE CNF

10. **Internet and World Wide Web technologies and opportunities**
Chiang, T.C.;
Industrial Technology, 1996. (ICIT '96), Proceedings of The IEEE International Conference on
2-6 Dec. 1996 Page(s):858 - 862
IEEE CNF
11. **Toward understanding the mobile Internet user behavior: a methodology for user clustering with aging analysis**
Yamakami, T.;
Parallel and Distributed Computing, Applications and Technologies, 2003. PDCAT'2003. Proceedings of the Fourth International Conference on
27-29 Aug. 2003 Page(s):85 - 89
IEEE CNF
12. **Frequent itemsets mining for database auto-administration**
Aouiche, K.; Darmont, J.; Gruenwald, L.;
Database Engineering and Applications Symposium, 2003. Proceedings. Seventh International
16-18 July 2003 Page(s):98 - 103
IEEE CNF
13. **An intelligent algorithm of data pre-processing in Web usage mining**
Zhang Huiying; Liang Wei;
Intelligent Control and Automation, 2004. WCICA 2004. Fifth World Congress on
Volume 4, 15-19 June 2004 Page(s):3119 - 3123 Vol.4
IEEE CNF
14. **Mining traveling and purchasing behaviors of customers in electronic commerce environment**
Yue-Shi Lee; Show-Jane Yen; Ghi-Hua Tu; Min-Chi Hsieh;
e-Technology, e-Commerce and e-Service, 2004. EEE '04. 2004 IEEE International Conference on
28-31 March 2004 Page(s):227 - 230
IEEE CNF